

Title (en)

Method for producing millable polyurethanes and polyurethane elastomers

Title (de)

Verfahren zur Herstellung von walzbaren Polyurethanen und Polyurethanelastomeren

Title (fr)

Méthode pour la préparation de polyuréthanes malaxables et d'élastomères de polyuréthane

Publication

EP 0783009 A2 19970709 (EN)

Application

EP 96119223 A 19961129

Priority

- JP 31384295 A 19951201
- JP 18896396 A 19960628
- US 75889296 A 19961202

Abstract (en)

A method for producing a millable polyurethane, comprises the steps of: producing a poly- epsilon -caprolactone based diol represented by formula (I) <CHEM> wherein ÅÜ is a caprolactone unit; m and n are numbers of caprolactone units; and R1 is a divalent group derived from a polymerization initiator of formula R1(OH)2, the poly- epsilon -caprolactone based diol containing a controlled average number of caprolactone units and having a molecular weight distribution Mw/Mn of 1.0 to 1.5; and reacting the poly- epsilon -caprolactone based diol with a diisocyanate to produce a polyurethane with a restricted crystallizability having a rubber elasticity.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- JP S6339007 B2 19880803
- JP H0356251 B2 19910827
- JP H07292083 A 19951107 - DAICEL CHEM
- JP S63196623 A 19880815 - HODOGAYA CHEMICAL CO LTD

Cited by

EP1213311A1; US11370500B2; EP2309322A1; EP2064580A4

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